

## CLAIMS

1. (Presently amended.) A fuel composition consisting essentially of a liquid hydrocarbon fuel in admixture with a [[A]] fuel additive composition comprising consisting essentially of 5-95% of a lithium aromatic sulfonate and the remainder an organic peroxide and the fuel additive present in an amount relative to the amount of liquid hydrocarbon fuel from about 1:800 to about 1:1400 effective to achieve improved combustion of the fuel.
2. (Presently amended.) The fuel additive composition of claim 1, wherein the composition additive is provided in a solvent-based system.
3. (Presently amended.) The fuel additive composition of claim 1, wherein there are the additive includes two organic peroxides.
4. (Presently amended.) The fuel additive composition of claim 3, wherein one peroxide is tert-butyl perbenzoate.
5. (Presently amended.) The fuel additive composition of claim 3, wherein one peroxide is 2-butanone peroxide.
6. (Presently amended.) The fuel additive composition of claim 1, wherein the lithium aromatic sulfonate is a C<sub>7-35</sub> alkylbenzenesulfonate.
7. (Presently amended.) The fuel additive composition of claim 1, wherein the lithium aromatic sulfonate is didodecylbenzene sulfonate.

8. (Presently amended.) The fuel additive composition of claim 2, wherein the solvent is diphenyl.

9. (Cancelled.)

10. (Presently amended.) The fuel composition of ~~claim 9~~ claim 1, wherein the liquid hydrocarbon fuel is gasoline.

11. (Presently amended.) The fuel composition of ~~claim 9~~ claim 1, wherein the liquid hydrocarbon fuel is diesel.

12. (Presently amended.) A method for improving the operating operation of a gasoline-powered, artificial ignition, internal combustion engine, comprising providing to said engine a fuel composition comprising consisting essentially of gasoline and a fuel additive comprising a mixture of a lithium aromatic sulfonate and organic peroxide, wherein the additive is present in an amount of about 1:800 to about 1:1400 effective to improve the combustion of the gasoline.

13. (Presently amended.) The method of claim 12, wherein the fuel additive additive is provided in a solvent-based system miscible with said gasoline fuel.

14. The method of claim 12, wherein the fuel comprises from 1 to 100 parts by weight of additive to 10,000 parts by weight of fuel.

15. (New.) The fuel composition of claim 1, wherein the liquid hydrocarbon fuel is heating oil.